

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("6050450").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/06/07 09:02
S6	0	222/6440.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:03
S4	1133	222/333.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:03
S3	744	222/63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:03
S2	1869	222/1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:03
S7	124	222/644.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:04
S10	370	S8 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:05
S9	941	constant with dispensing with rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:05
S12	28	S10 and S11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:06
S11	4570	S2 or S3 or S4 or S5 or S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:06
S8	172250	constant with pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:09
S16	33	S11 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:11

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S15	449	S13 and S14	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:11
S14	1289	(uniform or constant) with dispensing with rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:11
S13	234511	(uniform or constant) with pressure	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:11
S17	26	("5271521").URPN.	USPAT	OR	ON	2006/06/07 09:24
S19	189	S11 and S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:25
S18	146267	microprocessor with controls	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:25
S23	89674	pump with cylinder	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:26
S22	1589	S18 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:26
S21	30646	"step motors"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:26
S20	2	"encoded step motors"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:26
S26	65178	"239"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:27
S24	56	S22 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:27
S28	1	S24 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:28

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S27	146827	S25 or S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 09:28
S5	1013	222/390.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:49
S34	210	222/249.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:50
S33	1126	222/386.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:50
S30	425	222/145.5.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 10:50
S36	1152	S29 or S30 or S31	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:24
S31	381	222/145.6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:24
S29	425	222/145.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:24
S37	30036	piston with pump with cylinder	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:25
S38	38	S36 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:26
S40	289	S37 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:27
S39	18018	filling and emptying	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:27

## EAST Search History

S25	87421	"222"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:29
S42	52	S40 and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:30
S41	87421	"222"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:30
S32	744	222/63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:37
S45	213	S43 or S44	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:38
S35	183	222/250.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:38
S46	1	S45 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:39
S44	59	222/261.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:45
S48	1	S31 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:46
S47	52	(alternating or alternately) with (filling with dispensing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:46
S49	294	simultaneously same (filling with dispensing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:47
S50	17	S41 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:48

## EAST Search History

S51	69	S41 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:49
S56	1	S54 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:50
S55	30646	"step motor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:50
S53	9870	emptying with filling	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:50
S52	9474	decelerating with accelerating	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 11:50
S57	1	("5816445").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/06/07 12:02
S54	39	S52 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 12:02
S58	9	("3237814"   "4030640"   "4067479"   "5020693"   "5184758"   "5224629"   "5332122"   "5441175").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 12:04
S43	157	222/260.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 13:09
S60	464477	dispens\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 13:11
S59	130	S37 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 13:11
S61	52	S59 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 13:12

## EAST Search History

S62	17	("3180350"   "3443520"   "3521789"   "3665980"   "3887110"   "4008829"   "4090695"   "4126399"   "4223806"   "4275822"   "4279360"   "4331262"   "4475666"   "4693984").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 13:17
S63	8	("2755966"   "3370759"   "3390433"   "3653545"   "3773300").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 13:21
S65	23	("4279360").URPN.	USPAT	OR	ON	2006/06/07 13:51
S64	8	("2755966"   "3370759"   "3390433"   "3653545"   "3773300").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 13:51
S67	19808	"stepper motor"	USPAT	OR	ON	2006/06/07 14:17
S66	9	("4832499").URPN.	USPAT	OR	ON	2006/06/07 14:17
S71	55	S69 and S70	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 14:18
S70	1869	222/1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 14:18
S69	60756	S55 or S68	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 14:18
S68	36924	"stepper motor"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/07 14:18
S72	15	("4008829"   "4011967"   "4019653"   "4202387"   "4220998"   "4265371"   "4341327"   "4487333"   "4494209"   "4569236"   "4593360"   "4602657"   "4790233"   "4798527"   "4821925").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/08 07:56
L30	1	("5816445").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/06/08 10:02